

WHAT IS CLAIMED IS:

1. A beverage container holder for a vehicle, comprising:

a housing defining a space for storing a beverage container, said housing further defining a horizontal direction;

5 at least one slidable beverage container supporter having a first end and a second end for securing said beverage container in said housing;

guiding means for guiding said slidable beverage container supporter to move within said housing; and

10 fixing means for fixing said slidable beverage container supporter in a desired place with respect to said housing.

2. The holder as defined in claim 1, wherein said guiding means includes:

at least one guiding rail formed inside said housing substantially along the horizontal direction, said at least one guiding rail defining a central portion therebetween; and

15 at least one protruding part formed at each of said first and second ends of said slidable beverage container supporter, said at least one protruding part being insertable in said at least one guide rail for movement of said slidable beverage container supporter along said guiding rail.

3. The holder as defined in claim 2, wherein said fixing means includes:

20 a plurality of fixing holes formed in said housing along a longitudinal direction of the central portion of said guiding rail;

at least one push knob operably associated with said slidable beverage container supporter, the at least one push knob having a first position relative to said supporter;

25 a first locking member operably associated with said slidable beverage container supporter, said first locking member having a motion in a direction into or released from said fixing holes in response to the operation of said push knob;

a second locking member interacting with said first locking member and operably associated with said slidable beverage container supporter, the second locking

member having a motion in a direction into or released from said fixing holes; and
a power transmitting means for transmitting the motion of said first locking member to said second locking member.

4. The holder as defined in claim 3, wherein said power transmitting
5 means includes a rotating gear that meshes with at least a portion of said first and second locking members for moving said second locking member such that the direction of motion of the second locking member is opposite the direction of motion of the first locking member.

5. The holder as defined in claim 3, wherein said beverage container
10 holder for a vehicle further comprises:

a first resilient member for restoring said push knob to said first position; and
a second resilient member for providing an elastic force to the first locking member to bias the first locking member into at least one of the plurality of fixing holes;
and
15 a third resilient member for providing an elastic force to the second locking member to bias the second locking member into at least one of the plurality of fixing holes.

6. A container holder comprising:
an elongated housing having an interior defining a chamber for holding a
20 container, said housing further including a plurality of holes substantially aligned in the direction of elongation;

at least one guide rail along the interior of the housing, the at least one guide rail being located such that said plurality of holes are aligned along a central portion of said guide rail;

25 at least one supporter for adjusting the size of the chamber, the at least one supporter having a first end and a second end, each of said first and second ends

includes at least one resiliently biased member and at least one projection, said at least one projection being engaged with said guide rail for sliding engagement of said supporter relative to said housing; and

5 wherein said at least one resiliently biased member has a first state such that the member is engaged with at least one of said plurality of holes to fix said supporter relative to said housing and a second state such that said member is disengaged from said plurality of holes for permitting sliding movement of said supporter relative to said housing.

7. The container holder of claim 6, wherein at least a portion of each of
10 said resiliently biased members is gear threaded, and wherein the holder further comprises a gear engaged with said gear threaded portions of said members for translating movement of one resiliently biased member to the other resiliently biased member.

8. The container holder of claim 6, further comprising a knob operably
15 associated with at least one of the resiliently biased members of the supporter for moving the engaged at least one member between the first and second state.